STIC-Biotech/ChemLib

19285

From: Sent:

Chan, Christina

To: Subject: Monday. November 04, 2002 7:23 AM Sullivan, Daniel: STIC-Biotech/ChemLib RE: Rush Sequence Search 10/080980

Please rush. Thanks Chris

Chris Chan TC 1600 New Hire Training Coordinator and SPE 1644 308-3973 CM-1, 9B19

----Original Message-----

From: Sullivan, Daniel
Sent: Saturday, November 02, 2002 11:42 AM

Chan, Christina

Rush Sequence Search 10/080980 Subject:

Hi Chris,

Here is another sequence search for a 2 month amended case due 11/16.

Please search the standard and issued patent databases for a polynucleotide encoding at least 50 contiguous amino acids of SEQ ID NO:2.

Thank you, Dan

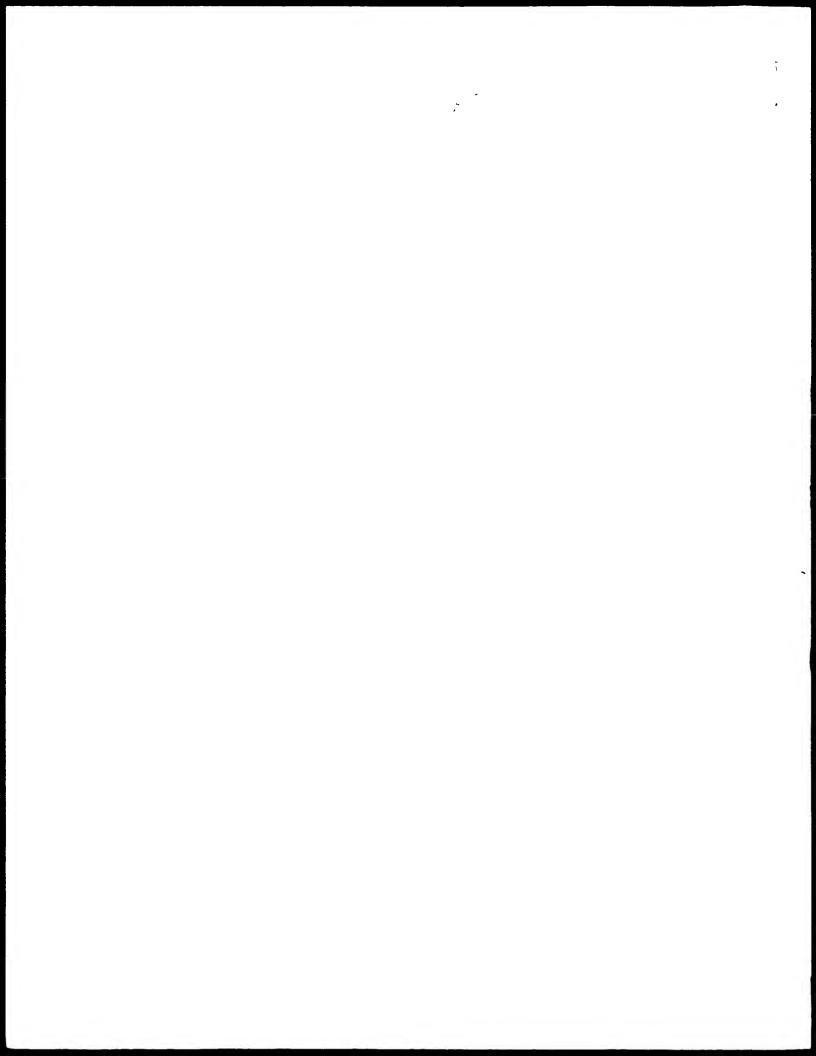
Daniel M. Sullivan Examiner AU 1636 Room: 12D12 Mail Box: 11E12 Tel: 703-305-4448

Point of Contact: Mona Smith Technical Information Specialist CM1 6A01 Tel 308-3278

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The Institute of Physical and Chemical Research (RIKEN)
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Normalization and subtraction of cap-trapper selected cDNAs to
prepare tull-length cDNA libraries for rapid discovery of new
genes. Genome Res. 10 (10), 1617-1630 (2000)

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**Watahiki, M., Yogeda, Y., Ishikawa, T., Ozawa, K., Ishikawa, T., Marsuna

**Watahiki, M., Yogeda, Y., Ishikawa, T., Ozawa, K., Ishikawa, T., Marsuna
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Laboratory for Gengum Exploration Research Group, FIKEN Genomic Sciences Conter(CSC), Yokohara Institute
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RIKEN Mouse ESTs (Arakawa,T., et al. 2001)
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Carninei, P., Shibata, Y., Hayatan, N., Subahara, Y., Subata, K., Itoh, M., Konno, H., Okacaki, Y., Muramatsu, M., and Hayashazaki, Y.

Normalization and subtraction of eap trapper relected cDNAs to propare full length cDNA libraries for raped discovery of new genes. Chemic Res., 10 (40), 16.7 (e.e. (2002))

ward, K., Fujiwake, S., Imahe, K., Jeana, Y., Itawa, M., Matsaria, Watahiki, M., Yaneda, Y., Ishikawa, J., Chan, S., Limawa, J., Matsaria, Watahiki, M., Yaneda, Y., Ishikawa, J., Chan, S., Limawa, J., Matsaria, Watahiki, M., Yaneda, Y., Ishikawa, J., Casa, K., Limawa, J., Matsaria, Watahiki, M., Yaneda, Y., Ishikawa, J., Casa, K., Limawa, J., Matsaria, W., Santa, W., S
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                                                                                                                                                                                            BE648407 BIKEN full-length confiched, 16 days embryo head Mas musculus cDNA clone Cl38015G24 5', mKNA sequence.
                                                             Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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wast, K. Pujiwake, S. Inder, K. Todawa, Y. Izawa, M. Ohara, E. Watahiki, M., Yoneda, Y., Ishikawa, T., Ordwa, Y. Isabka, T., Matsuura, S., Kawai, J., Oharahi, Y., Midamatsu, M., Thod Y., Efra, A. and Hayashizaki, Y. Oharahi, Y., Midamatsu, M., Thod Y., Efra, A. and Hayashizaki, Y.
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The Institute of FM, Leal and Chemical Food (STPPM)
1.7 C2 Fuelian Ch., TSurumi h. N., Takahama, Eduadawa 230 0015, Japan Tel: 81-45-503-9222
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,Y. and Hayashi.caki,Y.
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,M., Kenso,H., ekasaki,Y., Murumetsu,M. and Hayashinaki,Y.
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C., Shibata, K., Shinapawa, A., Shiraki, I., Sopabo, Y., Sazaki, H.,
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                                                                                                                                                                                      BE173847 374 bp mRNA linear EST 21-JUN-290 CMO-HT0567-010300-256-902 HT0567 Home Suffers YNA, mENA sejakon.
                              Homo sapiens
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Center For Genetic Pescare information
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1111 Yata, Mishima, Shizuoka 411 8540, Japan
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US-10-080-980A-2 (1-325) x BE173847 (1-374)
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                                                                                                                                                                                                                                                                                                      BE173842
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Fax: +55-11-2707001
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White,Y., Wylle,T., Waterston,P. and Wilson,P
WashU.NCI human EST Project
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cCNA Library Arrayed by:
cCNA Library Preparation: John Nyai. oDNA Library Arrayed by:
Matthew Clark. DNA Sequencing by: Washington University Genome
Sequencing Center Clone distribution: Genome Systems, St. Louis,
Misseri (web address, www.yernemesystems.com) (cEnail to.Lact.
info@qeromesystems.com) and Research Genetics, Huntsville, Alabama
(web address, www.resgen.com) (cEnail contact. info@besgen.com) and
Email: Contact. Info@besgen.com) and
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4444 Forms! Parkway, New 8501, St. Leais, MO 63108, USA
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Clark, M., Johnson, S.L., Lebrach, H., Lee, R., Li, F., Marra, M., Eddy, S., Hillier, L., Kucaba, L., Martin, J., Beck, C., Wylie, T., Underwood, K., Steptee, M., Ibesin, R., Allen, M., Rowers, Y., Person, B., Swaller, T., Cittens, M., Pape, D., Harray, H., Scherk, R., Ritter, E., Swaller, E., Shin, T., Jackson, Y., Cardenas, M., McCann, P., Waterston, R., and Guller, B., Shin, T., Jackson, Y., Cardenas, M., McCann, P., Waterston, R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cDNA Library Preparation: John Nyai, cDNA Library Arrayed by:
Matthew Clark, DNA Sequencing by, Washington Chiversity Genome
Sequencing Center Clone distribution. Genome Systems, St. Louis,
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Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, Mo 64108, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                      pEIFLOX plasmids. Insert check was done in
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Alignment Scores: Pred. No.: Score: Percent Similarity: Best Local Similarity: Query Match:	LENCIH: 5597 ; TYPE: DNA ; ORGANISM: Homo sapiens US-09-895-072-4	PLICE ASSTRACTS NOTES STATES, 872 PRICE PILING DATE: 2000-08-10 PUMBER OF SEQ ID NOS: 52 POSTWARE: Patentin version 4.1 PSEQ ID NO 4	FILE REPERENCE: 2101150300000000000000000000000000000000	For peach 4 April 28 MITH 18 PROCESSIVE CHRESC INSOMMETTED: WILLIAM M APPLICATE CONTRIBUTION:
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PRIOR APPLICATION NUMBER: 18,760/233,617
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: 18,760/234,000
PRIOR FILING DATE: 2000-09-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Young, Paul Thomifying Actionage Heragement Agents Using Cand TITLE OF INVENTION: Sets FILE PEFFPRNCE: 680200-76
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CURRENT FILING DATE: 2001-11-09
PPIOP APPLICATION NUMBER: 00/69,872
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TITLE OF INVENTION: METHODS FOR PROPRICING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES
FILE PEFFERENCE: 215089US77DIV
PRIOR FILING DAIE: 2000-09-27
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PRIOR APPLICATION NUMBER: US/60/235,637
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CURPENT FILING DATE: 2001-09-18
FE DE APPLICATION NUMBER: US/E0/233,617
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PRIOR FILING DATE: 2000-C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C TITLE OF INVENTION: Sets
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PRIOR FILING DATE: 2009-29-26
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PRIOR FILLING DATE: 2000 09-21
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Sequence 1245. Application BE/0029469 &
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PRIOR APPLICATION NUMBER: US 60,244 647
PRIOR PILLING DATE: 2000-04-30
PRIOR APPLICATION NUMBER: US 00,608,408
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PRIOR PILLING DATE: 2001-01-29
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                                                                                                                                                                                    Sequence 14523, Application especials Patent No. US20020137139A1
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Marthalagan, Nagarpan
TITLE OF INVENTION: MUSCLE ACTI AND OTHER MOLECULES ASSULTATED WITH LAWTATION AND
TITLE OF INVENTION: MUSCLE ACTI PARPOSITION
FILE REFERENCE: 1651 006/27-21(10304)C
CUMPENT APPLICATION NUMBER: US/09/960,352
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PRIOR PRIVING DATE: 2009-02-04
PRIOR APPLICATION NUMBER: US 50,7207,456
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HILLE OF INVENTION: JENE EXHERSION ARKLYSTE BY MICH. AFRAY
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FILING DATE: 2000-09-21
APPLICATION NUMBER: US 04/608,408
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SOFTWARE: Automax Sequence Listing Engine recess
SECTIONS 5987
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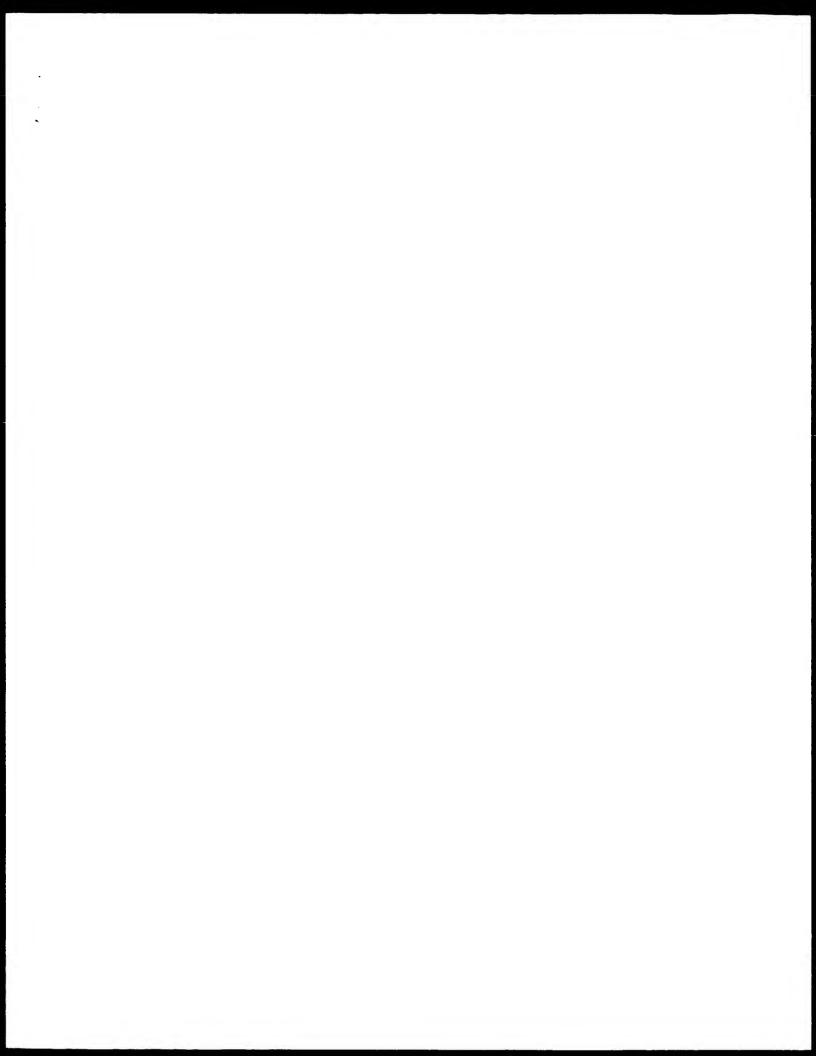
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Allen, Keith
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Hoas, William David
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APPLICANT: Olga Bandman
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Patent No Psycount 470*IAI
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SOFTWARE: PatentIn version 3.1
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                                                                                                                                                                                                                                  SOFTWARE: PERL Program SEQ ID NO 237
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Patent No. US20020045591A1
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APPLICANT: Ben-Ze'ev, Avri
APPLICANT: Sadot, Finat
TITLE OF INVENTION METHOES AND THERAPPULIC COMPOSITIONS FOR IREATINE CANCER
FILE REFERENCE: 01/22326
                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: HS/10/044,090 CURPENT FITTING DATE: 2003-01-09
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                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 850
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TYPE: DNA
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                                                          OTHER INFORMATION, a, t,
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CHEPENT FILING DAMP: 2002-01-09
NUMBER OF SEQ ID NOS: 850
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Patent No. US20020137081A1
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                                                            PRIOR FILING DATE: 2000-05-26
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APPLICANT: Rank, David R.
APPLICANT: Hangel, David K.
APPLICANT: Chen, Werglerg
TITLE OF INVENTION. HUMAN GENEME DEFIVED STRULE EXCH HUGLER ACID FROBES USEFUL FOR TITLE OF INVENTION. GENE EXPRESSION ANALYSIS BY MICROARRAY
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                                                                                                                                                                       FRICK FILING DATE: JOUG-02-04 PRIOR APPLICATION NUMBER: US 60/207,456
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; Sequence 2, Application US/0825000B;
; Patent No. 5856177
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INFORMATION FOR SEQ ID NO: .
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CLASSIFICATION, 4 %
ATTERNEY/AGRING INCOMAGE OF
NAME: Sharp ESQ. Janico A.
REOLSTRATION NUMBER. (4,0%)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patent in Release #1.0. Version #1.20 CURRENT APPLICATION DATA:
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SEQUENCE CHARACIERISTICS:
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COMPUTEK: HAM FO COMPATIBLE
OPERATING SYSTEM: PC DOSZMS DOS
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TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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/ Sequence 5, Application PC/TUS9601735
/ GENERAL INFORMATION:
/ APPLICANT: Marks, Andrew R.
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Best Local Similarity:
Ouery Match:
                                                                                                                                                                          RESULT 2
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COMPUTER READABLE FORM
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        COUNTRY: USA
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CITY: New York
STATE: NY
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                                                       ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond STREET: 30 Rockefeller Plaza
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APPLICANT, MICHAEL, BOLLLE,
APPLICANT, MICHAEL, CONFOSITIONS AND METHODS FOR OVAKIAN
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STALE: New York
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; OTHER INFORMATION: Tsp-2
US-09-043-303-5
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 Query Match:
                 Best Local Similarity:
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APPLICANT: MANPEL KAREJIFO
APPLICANT: NUMERICON: Nothed for Diagnosing Spineser-twiller Alexia Type
TITLE OF INVENTION: Primers Therefor
PILE REFERENCE: 0760-0241P
CURRENT FILING DATE: 1998-05-18
                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                       EARLIER FILING DATE: 1996-07-18
NUMBER OF SEQ ID NOS: 17
                                                                                                                                                                                                                                                                                                                                        EARLIER APPLICATION NUMBER - PCT/ 1P46/01499
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IELEFAX: (212) 838-3894
INFORMATION FOR SEC ID NOT 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                      NAME/KFY: Chs
                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                     PEATURE
                                                                                                                                                                 LOCATION: (341)..(583)
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ATTORNEY, ASTRT THE PMATISH
NAME: Mary Anne Schoffeld
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FILING PATE: 07,25,795
CLASSIFICATION: 435
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STRANDEDNESS: single
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APPLICANT: Ver have, Fall, Hirderer, Walter: Sommeborn, Han-H.;
APPLICANT: Plachter, Bodo; and Jahn, Gerhard
TITLE OF ENVENTION, ISOLATED HUMAN SYLMEONIO VINUS
TITLE OF ENVENTION, FOLVEHETIDES AND USES THEREOF
NUMBER OF SEQUENCES: 26
                              GENERAL INFORMATION:
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NEORMATION FOR SEQ ID NO:
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SOSTWARE: Wordportect
CURRENT APPLICATION DATA:
APPLICANT. Plachter, Bodo; and Jahn, Gerhard
           APPLICANT:
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LELECTRONE: (212) 688-9200
TELEFAX: (212) 838-3884
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STATE: New York
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Filest No. 5346334
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ZTP: 12040-0747
C-MPRITER READABLE FORM:
MEDIUM TYPE: F1-PPY disk
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NUMBER OF SEQUENCES: 1004
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; OTHER INFORMATION: human wild type Fas lineard (East) US 09\cdot006\cdot7558\cdot2
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APPLICANI: Braat, Andries E
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                                                                                                                                                                                                                                                                                     FEATURE:
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REGISTRALION NUMBER: 185,977
REFERENCYTHMERER: 1110 Federal
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                                                                      US-10-080-980A-2 (1-325) x US-08-815-190A-1 (1-846)
                                                                                                                              Query Match:
                                                                                                                                                Best Local Similarity:
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COMPUTER: IBM PC compatible
OPERALING SYSTEM: PO-twoyns DOS
SOFTWARE: Patentin Malease #1 0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBERS - US ORGANIC FOR
FILING TOWN
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APPLICANT: Schneider, William P.
APPLICANT: Vasquez, Maximiliano
HILLE OF INVENTION: Fus Ligand Fusion Proteins and Their
TITLE OF INVENTION. Uses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Apple Randolph T. RESISTRATION NUMBER. 36,429 PEELENNEANTON INFORMATION: TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA
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FILING DALE: 13-MAR-1996
AFTORNEY/AGENT INFORMATION.
NAME: Apple, Randolph T.
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CLASSIFICATION: 536
PRIOR APPLICATION DATA:
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CITY: San Francisco
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STRANDEDNESS: single
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; Sequence 34, Application US/08339214
; Patent No. 6348334
; GENERAL INFORMATION:
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US-08-339-214-33
                                                                                                                        US 08 339 214 34
                                                                                                                                                                                                                                                US 10 090 990A-2 (1-225) x US-08-339-214-33 (1-924)
                                                                                                                                                                                                                                                                                                  Query Match:
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Best Local Similarity:
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; Futcat No. 6348334
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APPLICANT: Nagata, Shiqikazu
APPLICANT: 25da, Takashi
APPLICANT: Takahashi, Lomoniro
APPLICANT: Nakamura, No. 6348334io
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HYPOTHETICAL: NO
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MOLECULE TYPE: other markets acid
targeraphyce, /desc "DNA"
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RENIUM TYPE: Flory disk
COMPUTER: IBM PC compatible
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TITLE OF INVENTION: A Fas Ligand, A Fragment Thereof and DNA
TITLE OF INVENTION: Encoding the Same
NUMBER OF SEQUENCES: 103
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NAME: Murphy Jr., Gerald M.
REGISTEATION NUMBER: 28,977
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STREET: P.O. Box 747
CITY: Falls Church
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Fittent No. 3 448344
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RESTRICTOR NUMBER: 28,977
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Specific conditions include postmenopausal osteoporosis, glucoconflored osteoporosis or male osteoporosis, osteoporosis, osteoporosis or male osteoporosis, osteoporosis, conditions that involve altered bone metabolism (e.g. idiopathic juvenile osteoporosis), sheleful dispass linked to breast causer, mastorytosis, osteoporosis), sheleful dispass linked to breast causer, mastorytosis,
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                                                                                                                                                                                                                                                                            tissue regeneration; wound healing, intection; immune disorder; cell culture; drug screening; gene therapy; antiinflammatory; antiasthmatic; antiarthritic; havinosstatic; antiarthritic; lacture; continue antibacture; continue antibacture; antibacture; continue ant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          201 Arginal rediaki ji; i ihi setai ji; i ketajistikakarikata adiudikala ililih ilililih ililih ililih ililih ililih ililih ililih ililih ililih ilil
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                                                                                                                                                                                                         antifungal; vulnerary; antiulcer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human VM106R.1 homologue-encoding cDNA, SEQ ID NO:992.
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                                               Percent digitality
                                                                                                      All time of Search
June 7 Match:
                                                                                                                                                                                                                                                                               bacterial and torgal intections in addition to immune disorders. Follypeptides with growth factor activity may be used in cell cultures to promote cell growth. For example, such polypeptides may be used to manipulate from cells in culture to give rise to neurospithetial cells that can be used to around or replace cells damaged by illness, and to around or replace cells damaged by illness, a tronomance disease or accidental damage. The polypeptides and uncleotides may the besseed in the diagnosts of the above conditions, and in drug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              thrombolytic activities; receptor or limind activities; or may be involved in ourconcuests, cameer cell proliferation or metastasis. Involved in the limit biological activities, polypeptides and nucleotides of the invention are useful for preventing, treating or ameliorating medical conditions, e.g., by protein or gene therapy. Such conditions include
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                haemat peresas regulatory activity; tissue greath activity; numerous-delated activity; activit or inhibit related activities; chammetactic or elemektuctic activities; haemostatic, thrombotic or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       band to polypeptides of the invention. Although movel, many of the polypeptides of the invention have homology to known proteins, thereby
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Represent ABB1-red ABB12(G) represent 150 movel human polypeptides, and despendent ABA005125 ABA00514 represent muchoic ucids encoding them. The investigal also relates to vectors and recombinant bost cells comprising a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WOSHINGTON AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      health) (e.g., of burns, incisions and offers), while those with numerosmodulatory activities may be used in the treatment of viral,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          produterative retinguithy, atheroseterosis, economy heart disease, atterior ischaemic, bone disorders (e.g., osterporosis), and abnormal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             have various activities, including cytokine, cell proliferation or
differentiation activities; stem cell growth factor activity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sizing in insight into their probable biological activities, and hence potential therapestic applications. The polypeptides of the invention may
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1: Pupe 844 845; 1963pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 contract thruth and cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homon proteins and DNA encoding sequences ascend for preventing, treatment or amedicating a medical condition in a mammalian subject
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                                                                                                                                                                                 CARL SOME SECTION HOSE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancers. haemateprietre disorders (e.a., weelend or lymphoid cell
fixeders). chrone inflammatery conditions (e.a., asthma or arthritis)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of polypeptides in a sample, and methods of identifying compounds which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antibodies cannot the polypoptides, methods of detecting the nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleatible of the invention, methods of producing the novel polypeptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           P PSDB. ABBILLIZE
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                                                                                                                                                                                                                                   moved bullian polypeptide of the invention
                                                                                                                                                                                                                                                              safreening techniques. The present sequence represents a cDNA encoding a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           repair (or anciese acids encoding them) may be used to promote wound
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                    VHT'06.7 4.2
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ABL06735 Standard; cbNA; 847 BF
                                                                      1317 GACAGAGATIGGATICTIGTTCCGTTATATICTGGACTATCTCAGGGACCTCGA
                                                                                                                                                                                                                                                                                                                                                                                      intertility, to requiate haemostasis or thrombodysis can to treat
stroke and cancer, to screen for drugs, to treat intimumatory conditions
e.g. rheumatoid arthritis, and to treat nervous system disorders e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention provides the protein and coding expenses of 444 novel bullon proteins. These were isolated from expressed sequences tag (ESLS). They can be used to structure cell growth, to contain the harmatopolesis e.g. to treat aplastic analysis. It has follows their advantages.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bookan; antianaemie; vulnerary; antiivallammatery; amoda modainter;
antiinterfility; cerebroprofective; eytostatic; racamatac; sego thorap;
neuroprofective; antipurkinsenian; profess therap; 181.
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                                                                                                                                                                                                                                                                                                                  Sequence 2412 Bb; 638 A; 585 C; 651 G; 638
                                                                                                                                                                                                                                                                                                                                                                                                                                         e.g. in burn treatment, to repulate the immune system e.g. to treat multiple sclerosis, to regulate activin or inhatic e.g. to treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEO ID No 175; 509pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               encoded polypoptide such as cancer and multiple scienosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       An isolated polymelootide for freating diseases associated with its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P PSDB; ABB97351.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HYSE ) HYSEO INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10.8EP-2001; 2001Wo BS26615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 MAR 2002
                                                                                                                                                                                                                                                                                                                                                                      Parkinson's disease. The present sequence is a coding sequence of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Xue AJ, Yang Y, Wehrman I, limanae RI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28 JUN 2002 (first entry)
                                                                                       2002 2924nH/34.
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                                                                                                                                                                                                                                                                                                                      Query Match:
                                                                                                                                                                                                                                                                                                                                      Best Local Similarity.
                                                                                                                                                                                                                                                                                                                                                                                                  Alignment Scores:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           useful in developmental biology and in elucidating cell signaliting and cell-cell interactions in higher eukaryotes for the development of inserticides, therapeutics and pharmacentical drugs. The invention discloses genomic DNA sequences (ABL16176 ABL30511), expressed DNA sequences (ABL01840-ABL18175) and the encoded protoins (ABL01840-ABL18175).
drug: side effect: cancer: central nervous system: cardiovascular;
               Human: cytosine methylation, 6/-qpd-3/,
                                              Oligonucleotide for detecting cytosine methylation SEQ ID NO 27245.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           The sequence data for this patent did not term part of the printed specification, but was obtained in electronic format directly row at its wiporious pulsas directly row at its wiporious pulsas directly.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Drosophila melanogaster.
                                                                            12-JUL-2002 (first entry)
                                                                                                                                            ABQ40654 standard: DNA; 854 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 847 BP; 190 A; 250 C; 253 C; 154 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to an isolated macheic acid detection reagent capable of defecting 1000 or more genes from Drosophila. The invention is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 14687; 21pp + Sequence listing, English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated nucleic acid detection reasont for detecting 1000 or more genes from Drosophila and for elucidating self-signalling and self-self
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11-,mg-2000; 2000US-0014150
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Oligio Plestide for detecting cytosine acthylation 852 Ib No 27246
                                                                                                                                ABQ40655 standard; DNA; 854 BP
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                                      12 JUL-2002 (first entry)
                                                                                       ABQ40655;
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SNP; cell differentiation; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the disclosure of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 12; 56pp + Sequence Listing; 56pp; German
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                                                                                                                                                                                                                       74 ArgAspSetLysOlyArgHttePteLeuAspAspAspClyPte 87
74 ArgAspSetLysOlyArgHtePteLeuAspAspAspClyPte 87
72 CGGCATAGINAAGCICGTTTTTTTTGCAFCGGAWGGIII 144
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       methylition status of many C residues to be determined simultaneously. ANOI410 ANOI4121 represent genomic DNA sequences used to illustrate the method for determining the degree of cylosine methylation described in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel method to determining the degree of methylation of a particular cytosine in a motif 5':CpG-4', present in denomic sample of DNA. The sample is treated chemically to convert
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us 386 2000; 2000B 1044543;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 12: Spp + Sequence Listing: S6pp; German.
                  12 JUL 2002
                                                                                                     ABQ13668 standard; DNA; 1757
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RESULT 8
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ABQ13669;
                                                ABQ13669 standard; DNA; 1757 BP
                                                                                                                                              1086 CGCGATAGTAAAGGTCGTTTTTTTTTTTGGATCGGAACGGTLLL TIE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1757 BP; 246 A; 209 C; 640 G; 662 T; 0 other;
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05-SEP-2000; 2000DE 1044/543
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the disclosure of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes a novel method for determining the degree of methylation of a particular cytosine in a motif 5, 250, 27, present in
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         method for determining the degree of cytosine methylation described
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 12; 56pp + Sequence Listing; 55pp; German
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CC ABOI3410-ABO54121 represent genomic DNA sequences used to illustrate the CC method for determining the degree of cytesine methylation described in the degree of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Determining the degree of cytosine methylation in genomic DNA, useful for diagnosis and programsis, comprises selective hybridization of amplicons from chemically treated DNA \sim
ABL06734 standard; cDNA; 2847 BF
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05-SEP-2000; 2000DF-1044543
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                                                                              Oligonucleotide for detecting cytosine methylation SEO ID NO 31023.
                       Human, cytosine methylation, 5' CpG 3', unacil; cytosine; diagnosis,
                                                                                                                                                                                                                                                 ANG41432 standard, DWA.
                                                                                                                                12-JUL-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The sequence data for this patent did not form part of the printed specification, but was obtained in electrodic form part of the printed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to an isolated nucleic acid detection reagent capable of detectina 1990 or more genes from Brosophila. The invention
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09-10-080-980A $2 (1-925) \times ARQ41433 (1-504)$

Query Match:

Percent Similarity: Best Local Similarity:

Conservative: Mismatches: Indels:

Mutches:

Alignment Scores: Pred. No.:

0.0263 13.00 100.00% 100.00%

RESULT 12

ABQ40656 standard; DNA; 854 BP

ABQ40656; 12-JHL-2002

(first entry)

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Human; cytosine methylation; 5′ Cpo 3′; uracul; cytosine; diadnosis, drad, side effect, cancer, central norvous system; cardiovascular; qustrointestinal; respiratory system; single nucleatide polymorphism; snp; cell differentiation; ds.
                                                                                                                                 polymorphisms (SNP's); and (i) for differentialtion of cell of tissue-
types and for investigating cell differentiation. The method allows the
methylation status of many C residues to be determined simultaneously
ABQ13410-ABQ54121 represent demonstrate DNA sequences used to illustrate the
method for determining the degree of cytosine methylatica described in
                                                                                                                                                                                                                                                                                                                                                                                      therapeutic drings and of a wide range of diseases, e.g. cancer, disorders of the central network, cardiovascular, distreintestinal and respiratory systems etc., particularly by detecting mutations of single nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 member, of oligonur-leadides and/or peptide number and (PNA) oligonars and the degree of hybridisation to both classes is determined from the label on the amplicon. From the ratio of labels hybridised to the two classes of oligonars, the degree of methylation is calculated. The method classes of oligonars,
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Sequence 504 BP; 201 A; 151 C; 45 G; 107 T; 0 other;
                                                                                                  the disclosure of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA that contains the target C is amplified to torm a labeled amplicon. The amplicon is hybridised to two classes, each with at least one
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for diagnosis and prognosis, comprises selective hybridization of
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ABQ40657
ID ABQ4
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                                                                        RESULT 13
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05-SEP-2000; zōōōpg-[044843
ABQ40657 standard; DNA; 854 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 854 RF, 122 A, 98 C, 382 C, 322 T, 0 other.
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                                                                                                                                        or sine methriation, 50 (pt-3), orbit, crusine, diagnosis,
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This invention describes a novel method for determining the degree of comechylatics of a particular synastic is a mostle "For 3", present in a cygenomic sample of but not methylated C. to uracil, then part of the genomic C. DNA that contains the target C is amplified to form a labeled amplicon. On the amplicon is hyperidised to be applied acid (FNA) oligomers and the degree of hyperidised to be the classes, each with at least one and the degree of hyperidised to be the classes is determined from the contains of oligomers, the degree of methylation is calculated. The method of starses of oligomers, the degree of methylation is calculated. The method is used (I) for diagnosts the ratio of ideals hybridised to the two charses of oligomers, the degree of methylation is calculated. The method of starses of the control method of a lie tray of discusses of the control method of a lie tray of discusses of the control method of a lie tray of discusses of the control method of a lie tray of the degree of the control method allows the crypes and for investigating cell differentiation. The method allows the crypes and for investigating cell differentiation. The method allows the crypes and for investigating cell differentiation. The method allows the crypes and for investigating cell differentiation. The method allows the cropital of decreating the degree of cytosine methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidistic methylation described in the classical control of the hyperidisti
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US-SEP-2000; 2000DE-1044543.
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log, side offert, rancer, central normals system, cardiovascular;
gastrointestinal, respiratory system, single nucleotide polymorphism
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Sequence 854 BP, 322 A, 302 ë€ .5 Ü د. د: د: -3

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ABQ13666/c
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to displaces and prognosis, comprises selective hybridization of
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                                                                                                                                                                                                                                                                                                                                                                systems etc., particularly by detecting motations of schale nucleotide polymorphisms (SNP's); and (ii) for differentiation of velocities one types and for investigating cell differentiation, the nethod allows the methylation status of many C residues to be determined school-taneously. AROI3410-ARO54121 represent genomic DNA sequences used to illustrate the method for determining the degree of cytosine methylatica described in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention describes a novel method for determinist the desiree of most hylation of a particular cytosine in a modif " 'cyk 'c' present in a quomic sample of DNA. The sample is treated chemically to convert cytosine (C) but not methylated c. to uracit, then part of the generace DNA that contains the target C is amplified to form a labeled amplican.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The amplicon is hybridised to two classes, each with at least one member, of objective tides and/or peptide nacher acid (IMA) charamets and the degree of hybridisation to both classes is determined than the label on the amplicon. From the ratio of labers hybridised to the two classes of objects, the degree of methylation is calculated. The method classes of objects, the degree of methylation is calculated.
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KEYWORDS SOURCE ACCESSION VERSION 5 Score: Percent Similarity: BASE COUNT FEATURES COMMENT US-10 Best Local Similarity: Alignment Scores: ORIGIN REFERENCE DEFINITION 96 t 1008 ORGANISM REMARK JOURNAL AUTHORS CDS No.: THE CASE OF PERSONS (SEED OF STREET) Clone distribution MGC close distribution information in the function of M A.G.E. Consortium/LLNL at: http://image.llnl.gov.series: IRAK Plate 28 Sew. j Colonno. 12 Bodo Sapiens, clone MOC-21736 IM Bodo Sapiens, clone MOC-21736 IM DNA Sequencing by: Baylor College of Mcdicine Human Genone Sequencing Center cDNA Library Preparation: Life Technologies, Incoden Library Arrayed by: The L.M.A.G.B. Compartion Contact: MGC help desk Submitted (04-SEP-2001) National Institutes of Health, Mammalian Gene Collection (MGT), Cancer Concents Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bothesda, MD 20892-2590, BC013764 PC013764 : Contact: villalon=bom.tmc.edu. Villalon, D.K., Luna, P.A., Hale, S.M., Hulyk, S., Lu, X., Garcia, A.M., Holloway, M., Telford, B, Hodgson, A., Bouck, J., Yu, W., Muzny, D.M., Gibbs, R.A. Email: cgapbs-r@mail.nih.gov Eukarjoba, Motozoa, Chordata, Craniata, Vertebrata, Eutelmostodi, Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo, L. (bases I to 3086) Homo sapiens M C C Web site: http://www.buse-bem-two-odn/edna/ Center code: BCM-HGSC Tissue Procurement: ATCC Direct Submission Strausberg, R. Homo sapiens LEQAFDKLSESGFHMVACSSTGTCAFASSIDQSEDKIWTSYTEYVFCRE* YVTERCTVVSVPDSLLWRMETQQQPQFT.ARDSKGBEBI DPDGELERYTLDYLHVLQLV LPDYEPERSKLQREABYFELDELVRRLGAITGEPGFGFUPSFREGVIKESSKJGHELLFIJ /product="Unknown (protein for MGC:21736)" /pr.te.in_14-"AAH19761." /db.xref="G1:1548930" /firansiation="MALABSTERLEMENTARYSASSSSAFPFIFE HVELNERLYV /lab_host="DH10B" - '
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KEYWORDS

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/rp+_family-"TIGGEP2"
55443...55723
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/ipt_family="IJGGFK2"
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                          Submitted (10-III: 2001) Sangor Contre, Hirston, Cambridgeshire, CB10 ISA, Ut. E-mail requiries: humquery#sangor.ac.uk Clone requests: elemetepiest sangor.ac.uk
on Sep 8, 2000 this seguence version replaced di:6482057
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Consensus quality: 164521 bases at least 040
Chaedasus quality: 164544 bases at least 020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Web autor http://www.samdor.ac.uk
Contact: humbquory'samdor.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    insert size: 166962; sum of contids
Insert size: 164962; LTW error; adarose tp
vanilty correspond 4 mov in pro bases; sum of contids quality
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    round of No but the exact sizes of the gaps are unknown.
    this reward will be updated with the finished sequence.

    N-TH: This is a "working draft" sequence.

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Separating vector: plasmid; 1.08752; 100% of reads
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        be presented.
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                                                                                                                                                       Assembly program: MGAP1 version 4.5 Sequencing vector: plasmid; 108752; 100% of reads Chemistry: Pyo-forminator Rig Dyo; 100% of reads Consensus quality: 220597 bases at least 240 Consensus quality: 234299 bases at least 230 Consensus publity: 2341297 bases at least 230 Consensus publity: 241127 bases at least 230 Insert Size: 24598: sum-of-configs Insert Size: 24598: sum-of-configs Insert Size: 190986; agarose fp Usuality Coverage: 2.52% in 220 bases, sum of suchlys Suchlity Usuality Coverage: 2.52% in 220 bases, sum of suchlys Suchlity
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                                                                                                                          coverage: 3.92x in Q20 bases; agarose-ip
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: humquery sanger ac.uk
Project Information
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center code: SC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (12-JUN-2001) Spager Centre, Hington, Cumbridgeshire, CB10 ISA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest.sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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NOTE: This is a 'working draft' sequence. It current consists of 53 contiqs. The true order of the pieces
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* is not known and their order in this sequence record is * arbitrary, baps between the contings are represented as * runs of N, but the exact sizes of the gaps are unknown. * This record will be updated with the finished sequence * as soon as it is available and the accession number will
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72231 3230: gap of 100 bp

72331 45153: contiq of 2823 bp in length

75154 35152: gap of 100 bp

75254 77649: contiq of 2396 bp in length
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56443; contiq of 4174 bp in length
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89150: contig of 3483 bp in length
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63088: contig of 6545 bp in length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            210477
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       171897 171996; gap of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    bessul 16670m; dap of
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Daugs4 164334; contig of
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                       Research, 320 Charles Street, Cambridge, MA 02141, USA
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Birren B., Nusbaum, C., Lander, E., Ali, A., Alien, N., Andorson, S.,
Barna N., Rastien, V., Bloom, T., Beynslowkiy, L., Boukhya ter, B.,
Camarata, J., Chang, J., Charare, R., Cheepe, Y., Collymore, A.,
Cook, A., Cooke, P., Doardlinc, K., Newir, K., Y., Dian, J.S., Nodye, S.,
Parce, S., Ferreira, P., FitzGerald, M., Gaue, D., Galagan, J.,
Gardyna, S., Gord, S., Graham, L., Grand Pierre, N., Hagos, B.,
Horton, L., Hilme, W., Hiev, L., Johnson, F., Forse, C., Kamat, A.,
Horton, L., Hilme, W., Hiev, L., Johnson, F., Forse, C., Kamat, A.,
Horton, L., Hilme, W., Hiev, L., Johnson, F., Forse, C., Kamat, A.,
Horton, L., Hilme, W., Hilev, L., Johnson, F., Forse, C., Kamat, A.,
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Harton, L., Harton, L., Lander, L., 
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Karatas,A., Kells,C., Landers,T., Levine,P., Lindblad-Tob,K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (23-NOV 2001) Whirehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished
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Mammalia: Eutheria: Rodentia: Sciurognathi: Muridae: Murinae: Mus.
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* arbitrary case between the contigs are represented as
* inus of M. but the count sizes of the data are unknown.
* This record will be updated with the finished sequence
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* NOTE: This record contains 54 individual
* sequencing reads that have not been ussembled into
* contins. Runs of N are used to separate the reads
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (22-NOV-2001) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 03141, USA All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997)
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Mus musculus clone PP23-20N10, LOW-PASS SEQUENCE SAMPLING
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                                                                                                                                                                                  Center project Information Center project name: L13647 Center clone name: 20_N_10
                                                                                                                                                                                                                                                                                                                     Contact: sequence_submissions@genome.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                          Web site: http://www-seg.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                          Center code: WIBE
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    artitrary, Low-pass sequence shapling is useful for
    identifying clones that may be generich and allows

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22755 2349
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23558 242
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21960 22654: contla of 695 bp
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11335 12648, contiq of 714 bp in length
12644 12148 gap of 100 bp
12144 12838 contid of 660 bp in length
                                                                                                                           24261 24360; gap of 24361 25053; con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18593 18692; gap of 100 bp
18693 19398; contiq of 706 bp
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13778 14476: contiq of 699 bp in length
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10556 11234; contig of 679 bp in length
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12939 13677; contid of 739 bp
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8991 9727: centia of 737 bp in length
9728 9827: gap of 100 bp
9828 10455: centia of 628 bp in length
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8152 8890: contid of 739 bp to Length
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2466 3183; contid of 718 bp in length
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21038: contid of 713 bp
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16889, contid 5: 694 bp
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15276: contid of 700 bp in loudth
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2365; contig of 720 bp in length
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27956: contig of 793 bp in length
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                                    submitted (16 AUG 2002) Wellcome frust Sander Institute, Hinxton-
CambridgeShire, CRIO ISA, UK. E mail empirical humanory Sandericak Chame requests: colentequest Sandericae on Aug 21, 2002 this sequence version regimend at 12204763.
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Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Enteleostemi:
Center: Wellcome
                                                                                                                       Direct Submission
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                                                                                                                                                                                                                                                                                                                    AL831725 174714 by DNA Mus musculus chromosome X clone RP23-luck), PROCRESS ***, in ordered pieces.
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Consensus quality: 174644 bases at least 020
Consensus quality: 174644 bases at least 020
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Consensus quality: 174693 bases at least 020
Consensus quality: 17474, sum-of-contigs
Insert size: 174714, sum-of-contigs
Insert size: 174714, sum-of-contigs
Outlify coverage: 4 28x in 020 bases, againser fr
                                 Submitted (26-UUL-2002) wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 ISA, UK. E-mail enquiries: humquery@sanger ac uk Clone requests: clonerequest@sanger ac uk con III 24, 2002 this sequence Morston replaced grant 65-75.
                                                                                                                                                                                                                                                                                                                              Mus musculus chromosome X clone RP23-240F13, *** SEQUENCING IN PROGRESS ***, 9 unordered pieces
AL844583
Center. Wellcome Trust Sanger Institute
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                                                                                                                                                                      Eukaryeta, Metazea, Chardala, Cjuniala, Verteleata, Esteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
1 (bases 1 to 220935)
                                                                                                                                                                                                                                    Mus musculus
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Contact: humquery@samger ac uk
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Web site: http://www.sanger.ac.uk
Contact: humguery@sanger ac uk
Project Information
hw240F13
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* This record will be updated with the finished sequence.
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compage: 8.44% in 220 bases, agaiose-fp
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15270 152804 3-r of 100 bp
152814 173018: contig of 21109 bp in length
173049 174018: gap of 100 bp
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203476 220035; config of 16060 bp in length
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                   /mote "assembly_fragment.02161
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502: qap of 12706 bp in length
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    Summary Statistics

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Gill, R.,
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    (ace http://www.babc.bea.tac.edu/decs/deabank draft data html)
    * NotE: this is a 'working draft' separace. It carrently
    * consists of 17 confids. The true order of the process.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (18-AUG-2000) whitehead institute/MIT Center for Genome Research, J20 Charles Street, Cambridge, MA C2141, USA on Jan 15, 2001 this sequence version replaced gi:9845127.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tirrell,A, Travers,M., Trigillo,:, vassility, ... ...., wilson,H., wu,X., Wyman,D., Ye,W.J., Young,G., Zainoun,J., Zimmer,A. and Zody,M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Morrow,J., Murphy,T., Naylor,J., Norman,C.H., O'Connor,T., (o'Donnell,P., O'Neil,P., Olivar,T.M., Oliver,J., Peterson,K., O'Donnell,P., O'Neil,P., Olivar,T.M., Oliver,J., Peterson,K., Pierre,N., Fisani,C., Follara,V., Fiyadd,C., Fichart,M., Ello,E., Peterre,N., Fisani,C., Santos,P., Schauer,S., Severy,P., Sougnez,C., Speccer,B., Stange-Thomann,N., Stojanovic,N., Stoganovic,N., Strauss,N., Subramanian,A., Talaras,J., Tesfayo,S., Thoodore,J., Tirrell,A., Trayers,M., Trigilo,J., Vassilov,H., Viel,K., Vo,A., Millon, B., Markey, M., Millon, B., Markey, M., Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rirron B. Linton, L., Nushaum, C., Lander, E., Abraham, H., Allen, N., Anderson, S., Barna, N., Bastien, V., Beda, F., Boguslavkiy, L., Rowkn, A., Burkett, G., Campopiano, A., Castle, A., Choepel, Y., Colamoelo, W., Collins, S., Collymore, A., Cooks, F., DeArellano, K., Dewar, K., Diaz, J.S., Dodge, S., Ferreira, P., FitzHugh, W., Cage, P., Chingh, T., Cardyn, S., Ginde, S., Seyette, M., Grand, P., Ching, R., Hagos, B., Hagford, A., Hoffor, I., Ching, C., Candon, P., Ching, R., Hagford, A., Hoffor, I., Ching, C., Candon, P., Ching, R., Ching, R
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Lamazares,R., Landers,T., Lehoczky,J., Levine,k., Lieu,C., Liu,G.,
Macdonald,P., Marquis,N., McCarthy,M., McFwan,P., McFornan,K.,
McPheeters,R., Meldrin,J., Moneus,L., Mihova,T., Mlenga,V.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished 2 (bases 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         l (bases 1 to 182975)
Birren, B., Finton, L.,
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                                                                                                                                                                                                                                                                                    Smit, A.F.A. & Green, P. (1996-1997)
https://Transcommunication.com/SepterMission-bom/
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                                                                                                                                                                                                                                                                                                                                                                                                                  All repeats were identified using RepeatMasker:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Birren.B., Tinton,L., Nusbaum,C. and Lander,E. Homo sapiens chromosome 4, clone RP11-452L12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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Contact: sequence_submissions denome.wi.mit.edu
                                                                                                                                                                         Center, Whitehead Institute/ MIT Center for Genome Research
                                                        Web site: http://www-seq.wi.mit.edu
                                                                                                                       Center code, WIBR
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/db_xref="haxon:10116"
/eloge="CH230_229L15"
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24689: contig of 2711 bp in length.
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ACCESSION
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pieces.
AC107770
                                                                             AC107770 183058 bp DNA linear HTG 12-APR 2002
Mas Massealus elone RP23 114M21, NESKING DRAFT SEQUENCE, 11 ordered
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       * NOTE. This is a 'warking druft' sequence. It currently consists of 4 contigs. The true order of the pieces is not known and their order in this sequence record is aritimary. Caps between the contigs are represented as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     * This record will be updated with the finished sequence * as soon as it is available and the accession number will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 * runs of N, but the exact sizes of the gaps are unknown
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Assembly program: Pirap; version 0.960731
Concerns guality: 18085 bases at least 040
Consensus quality: 182144 bases at least 040
Consensus quality: 182517 bases at least 040
Consensus quality: 182517 bases at least 020
Insert size: 18800; agarose-up
Insert size: 182675; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Center project information Center project name: L10591 Center clone name: 452_I_12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     124257 124356: gap of 100 bp
124357 182975: cont.ig of 58619 bp in length.
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/mote:"assembly_fraqment"
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/note="assembly_fragment"
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/ohromosome="4"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A. WILKELIN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KEYWORLS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      WNALL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lepham.K.. fravers,M.. fravis,N.. frigilio,J.. Vassiliev,H.,
Vielle, Vo.A.. Wilson,B., Wh,X.. Wyman,b., Ye,W.J., Young.G.
Zirnout,J., Zembek,L., Zimmer,A. and Zody,M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         itret, i., ketersan,K., Fbunkhand,E., Pietre,N., Polldra,V.,
Baymond,C., ketta,K., Rieback,M., Kiley,K., Rise,C., Roqov,P.,
Bamua,I., Rosetti,M., Boy,A., Santos,E., Schauer,S., Schuphack,R.
Benmun,E., Revery P., Spencer B., Stanep (Benman, N., Ste) nowic,A
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Lindersili Jahorsky (L. Feynorik), Lindelad (d.K. Linge),
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Birrenaka, lantenaka, Nushanmata, Landeraka, Aliza, Alienaka,
Andersonaka, Karnaaka, Kastiesaya, Micossafi, Begaslavkiyala,
Kaskisaliteraka, Riownaka, Camarataga, Jampopiano,A., Chandal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Report to that less (teases 1 to 184058)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (24 JAN 2092) Whitehead hastitate/MII Center for Genome Research. (an Charles Street, Cambridge, MA 02141, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Larest Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mardemaid.E., Major.J., Marquis.N., Matthews.C., McCarthy.M., McEwan.E., McCernan.K., Meldrim.J., Mencus.L., Mihova.E., Marba.C., Micros.V., Marphy.E., Nayba.J., Nappen.C., Nicol.k., Narba.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Remark A., Karatas, A., Ballis, W., Hilmeyli, Kensta A., Karatas, A., Bellis, C., Likemper-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ambetson,S., Barna,N., Bastien,V., Bognslackiy,L., Bogkhqal
Ruewn,A., Camarata,J., Campopiano,A., Chanq,J., Chazaro,B.,
Thospel,Y., Colandelo,M., Collins,S., Collymore,A., Cook,A.
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L. (buses L.to. 183058)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bookhaat Fer, R., Brown, A., Camarata, J., Sampopiano, A., Chang, J.,
Shararo, R., Choepel, Y., Colangelo, M., Collins, S., Collymore, A.,
Sook, A., Cooke, P., BeArellano, K., Dowar, K., Diaz, J.S., Dodge, S.,
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Danakers, L., Lebeecky, J., Jezinecki, Liu, G., Machean, G
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mass assertions, eleme RP23 114M24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota: Metazoa: Chordata: Cianiata: Vertebrata: Euteleostomi:
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                                                                                                                                                                                                                                                              https://bj.com.com.arhibipto.com/s/https://bgcottMarket.btml
                                                                                                                                                                                                                                                                                                  Smit, A.E.A. & Green, P. (1996-1997)
                                                                                                                                                                                                                                                                                                                                  Ail repeats were identified using RepeatMasker:
                                                                                                                                                                                                                                                                                                                                                                                                                  Research, 320 Charles Street, Cambridge, MA 02141, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Solding the Arthur 2002, Abdit but the final ANZ Constitution to find beautiful.
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                                                                                                                                                                                                                                                                                                                                                                          in Apr. 12, 2002 this sequence version replaced quil8808472.
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                                                                                                                                           Control code: WIBE
                                                                                                                                                                                       Center: Whitehead Institute/ MIL Center for Senome Research
                                   Cantact: sequence submissions genome.wi.mit.edu
Project Information
                                                                                                           Web site: http://www.seq.wi.mit.edu
Contain project manes
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* are represented as runs of N. The order
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  is believed to be correct as given, toward the sizes of the gaps between them are based on estimates that have
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1 20009: contid of reese be in length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                quality coverage: 9.0 in Q20 bases: sum of contras
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    quality coverage: 9.0 in q.0 bases:
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Xue,A.T., Yang,Y., Wehrman,T. and Drmanac,P.T.
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                                                                                                                                                     Submitted (31-JAN-2000) Osamu Ohara, Kazusa PNA Research Institute, Laboratory of DNA Technology: 1532-4 Yanu, Kisarazu, Chiba
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